John Randolph

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Education

Brown University – Sc.B. in Applied Math-Computer Science & Behavioral Decision Sciences
Anticipated Graduation: May 2021
- GPA: 3.9 / 4.0
- Computer Science: An Integrated Introduction I & II, Machine Learning, Computer Systems, Logic for Systems, Discrete Structures & Probability
- Math: Statistical Interference I, Honors Linear Algebra, Applied Ordinary Differential Equations, Probabilistic Models of Operations Research, Logic

Lakeside High School – High School Diploma
Graduation: June 2017
- Honors Mathematics through Calculus BC; 4 semesters of Computer Science
- GPA: 3.97 / 4.0
- ACT: 35; Math II SAT subject test score: 800; Computer Science AP test score: 5

Technical Skills

Programming Languages: Java, C, R, Python, JavaScript, HTML, CSS, PHP, SQL, Scala, Racket, OCaml
Software: PostgreSQL, Mathematica, Rhinoceros, OpenSCAD, LaTex

Work experience

June-August 2019: Facebook – Software Engineering Intern in PHP, JavaScript
- Created tools for Monthly Billing Team

February-June 2019: The Policy Lab @ Brown – Data Scientist in R
- Informed public policy with data science. Projects: increasing payment compliance for traffic tickets in New Orleans; proposal for Rhode Island statewide integrated data system; presented redesigned DMV forms at Rhode Island DMV and DOR

June-August 2018: University of Washington Clinical Informatics Research Group – Developer in Python, JavaScript
- For movember.com and truenth.org: updated code from Python 2 to 3, implemented Swagger UI for testing, performed QA testing, fixed code formatting and implemented bot to check for formatting

Academic Projects

Statistically Significant Audio Cleaning Research – Java, Python
- Conducted research at Brown using machine learning to find best linear combination of denoising algorithms to clean audio on wide variety of audio and noise

Supreme Bot Chrome Extension – JavaScript, HTML, CSS, PHP
- Worked in 3-person team to make chrome extension that automatically buys Supreme brand clothing for users within seconds of the weekly clothing drop

Leadership and Engagement

Month-long India service trip, 2015
- Developed content for nonprofit Grassroots website (grassrootsindia.com); surveyed villagers on technology for converting cow dung to power; compiled and analyzed responses.

Ultimate Frisbee Coach and Player, 2009-
- Play on USA National U24 team and professionally; camp counselor & coach for multiple youth teams

Honors and Awards

- National Merit Winner, 2017
- Paul Allen Computing Challenge Round One Winner, 2016